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Cover: Microtubule-based motor proteins play significant roles in the organization, transport, and integration of the neuronal cytoskeleton. These motors, cytoplasmic dynein and members of the kinesin superfamily, can generate forces between neighboring microtubules (A), between microtubules and actin filaments (B), and between microtubules and neurofilaments (C). See the article by Baas and Buster on page 3.

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Cover: The image is a rat spinal cord motor neuron differentiated in culture for 7 days. The neuron has been imaged by field emission scanning electron microscopy and pseudo colored. Provided by Steve Gschmeissner from the Electron Microscopy Unit and Giampietro Schiavo from the Molecular NeuroPathoBiology Laboratory of Cancer Research UK London Research Institute.

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Cover: Whole mount X-gal staining of the P7 (left) and P59 (right) brains of the M71-IRES-tauLacZ "knock-in" mice. Expression of one of the odorant receptors, M71, whose odorant ligands were already determined, was marked with the intense blue staining in the cortex as well as in the olfactory bulb. Together with other data, this demonstrates that at least one of the genuine odorant receptors with known ligands is expressed in non-olfactory neurons in the cerebral cortex at least at the mRNA level. See Otaki et al. on page 315 of this issue.

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